

Special Issue

Interactive Manipulation of Mobile Manipulators

Message from the Guest Editors

We invite submissions on AI and robotics for mobile manipulator systems, covering scientific foundations, applications, and analysis. Originally, mobility and manipulation were separate research fields, but modern robotics demands integrated solutions for human-robot collaboration. Advances in hardware include wheeled, legged (biped/quadruped), and hybrid robots for dynamic environments, alongside collaborative manipulators. Software innovations leverage model-based and data-driven approaches for coordination, environment perception, and safe human interaction. Applications span space, ocean, and industrial settings. We welcome contributions on novel algorithms, system integration, and real-world deployments. Join us in advancing interactive mobile manipulation!

Guest Editors

Prof. Dr. Qiang Li
Dr. Huibin Cao
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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

Editor-in-Chief

Prof. Dr. Antonio J. Marques Cardoso
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